

AMENDMENTS TO THE CLAIMS

1. (currently amended) A display apparatus for providing multi-sided viewing functionality to a portable computer system, said apparatus comprising:

a) a front cover mechanically and electrically coupled to said portable computer system, said front cover comprising a hinge;

b) a first display component having multi-sided viewing functionality coupled to said front cover;

c) a second display component coupled to said portable computer system; and

d) a display control circuit for enabling said first display component and said second display component, said display control circuit coupled to said portable computer system, said display control circuit responsive to the orientation of said front cover, wherein when said front cover is moved from a closed position to an open position, an image on a first viewing side of said first display component is transferred to a second viewing side of said first display component.

2. (original) The display apparatus of Claim 1 wherein said first display component and said second display component comprise a front display portion and a rear display portion.

3. (original) The display apparatus of Claim 1 wherein said hinging mechanism of said front cover is adapted to open and close said front cover, such that when said front cover is open, said front cover is in an open position, and when said front cover is closed, said front cover is in a default position.

4. (original) The display apparatus of Claim 3 wherein said display control circuit, responsive to said default position of said front cover, activates said front display portion of said first display component of said front cover, to enable viewing functionality of said front display portion of said first display component.

5. (original) The display apparatus of Claim 3 wherein said display control circuit, responsive to said open position of said front cover, activates said rear display portion of said first display component of said front cover and said front display portion of said second display component of said palmtop computer, to enable viewing functionality of said rear display portion of said first display component and said front display portion of said second display component.

6. (currently amended) A two-sided display apparatus for providing multi-sided viewing for a palmtop computer system, said apparatus comprising:

a) a front cover mechanically and electrically coupled to said palmtop computer system, said front cover comprising a hinge for providing opening and

closing functionality to said front cover, wherein said closed front cover is a default position;

b) a first display component coupled to said front cover, said first display component having multi-sided viewing functionality comprising a front display panel and a rear display panel;

c) a second display component coupled to said palmtop computer system, said second display component having multi-sided viewing functionality comprising a front display panel and a rear display panel; and

d) a display control circuit coupled to said palmtop computer system, adapted to activate said first display component and said second display component, said display control circuit responsive to the orientation of said front cover, wherein when said front cover is moved from a closed position to an open position, an image on a first viewing side of said first display component is transferred to a second viewing side of said first display component.

7. (original) The display apparatus of Claim 6 wherein said first display component and said second display component comprise a thin flexible transparent material, said thin flexible transparent material analogous to mylar.

8. (original) The display apparatus of Claim 7 wherein said transparent material comprises a first layer and a second layer, said first layer and said second layer coupled to each other, such that they create a sealed chamber.

9. (original) The display apparatus of Claim 8 wherein said sealed chamber comprises a first transparent conducting layer and a second transparent conducting layer disposed within said sealed chamber, said first transparent conductive layer and said second transparent layer responsive to voltage applied by said display control circuit.

10. (original) The display apparatus of Claim 9 wherein said first transparent conducting layer and said second transparent conducting layer are indium tin oxide.

11. (original) The display apparatus of Claim 10 wherein said first transparent conducting layer is disposed toward said front display portion and said second transparent conducting layer is disposed toward said rear display portion.

12. (original) The display apparatus of Claim 8 wherein said sealed chamber further comprises a fluid, said fluid comprising a first colored liquid and a, at least, second colored liquid.

13. (original) The display apparatus of Claim 8 wherein said sealed chamber is predominately filled with said first colored liquid.

14. (original) The display apparatus of Claim 12 wherein said first colored liquid is white ink.

15. (original) The display apparatus of Claim 12 wherein said second colored liquid is black ink.

16. (original) The display apparatus of Claim 15 wherein said black ink is transparently encapsulated.

17. (original) The display apparatus of Claim 16 wherein said transparently encapsulated black ink is electrostatically charged.

18. (original) The display apparatus of Claim 17 wherein said transparently encapsulated black ink is attracted to said voltage provided by said display control circuit, said voltage is a more positive voltage.

19. (previously presented) A portable electronic device comprising:
a housing supporting a first display component;
a flippable cover hinged to said housing and having an open state and a closed state, said flippable cover comprising a flexible second display component having multi-sided viewing functionality comprising a front display panel and a back display panel; wherein

said front display panel is active to display first images provided said flippable cover is in said closed state; and wherein further

upon said flippable cover opening to said open state, said front display panel becomes deactivated, said back display panel becomes activated and displays said first images and said first display component becomes activated for the display of second images.

20. (original) A portable electronic device as described in Claim 19 wherein said first and said second display components are flat panel display screens.

21. (original) A portable electronic device as described in Claim 19 wherein said flat panel display screens comprise electronic ink technology.

22. (previously presented) A portable electronic device comprising:
a housing supporting a first display component;
a first flippable cover hinged to said housing and having an open state and a closed state, said first flippable cover comprising a second flexible_display component having multi-sided viewing functionality comprising a front display panel and a back display panel;

a second flippable cover hinged to said housing opposite to said first flippable cover and having an open state and a closed state, said second

flippable cover comprising a third flexible display component having multi-sided viewing functionality comprising a front display panel and a back display panel; wherein

said front display panel of said second cover is active to display first images provided said first and second covers are closed; and wherein further, upon said second cover opening, said front display panel of said second cover becomes deactivated, said back display panel of said second cover becomes activated and displays said first images and said first display panel of said first cover becomes activated for the display of second images; and wherein further,

upon said first cover opening while said second cover is open, said front display panel of said first cover becomes deactivated, said back display panel of said first cover becomes activated and displays said second images and said first display component becomes activated for the display of third images.

23. (previously presented) A portable electronic device as described in Claim 22 wherein said first and said second and said third display components are flat panel display screens.

24. (previously presented) A portable electronic device as described in Claim 23 wherein said flat panel display screens comprise electronic ink technology.

25. (previously presented) In a portable computer system configured with a flexible cover mounted display having multi-sided viewing functionality comprising a first and second side and a display screen integral with said portable computer system, a method for utilizing coupled multiple display capabilities, said method comprising:

a) powering on said portable computer, such that said first side of said flexible cover mounted display having multi-sided viewing functionality comprising a first and second side is activated; and

b) opening said flexible cover so as to deactivate said first side and to activate said second side of said flexible cover and said display screen.

26. (cancelled) In a portable computer system configured with a first flexible cover mounted display having multi-sided viewing functionality comprising a first and second side, a second flexible cover mounted display having multi-sided viewing functionality comprising a first and second side, and a display screen integral with said portable computer system, a method for utilizing coupled multiple display capabilities, said method comprising:

a) powering on said portable computer, such that said first side of said second flexible cover mounted display having multi-sided viewing functionality comprising a first and second side is activated;

b) opening said second flexible cover so as to deactivate said first side of said second flexible cover and to activate said second side of said second flexible cover and said first side of said first flexible cover; and

c) opening said first flexible cover having multi-sided viewing functionality comprising a first and second side so as to deactivate said first side of said first flexible cover and to activate said second side of said first flexible cover and said display screen.